SERVICE MANUAL

PH-32/PH-52/PH-32L/PH-52L

ST326/ST326L/ST526/ST526L/PM326/SD326

marantz®

model PH-32/PH-52/PH-32L/PH-52L

MARANTZ DESIGN AND SERVICE

Using superior design and selected high grade components, MARANTZ Company has created the ultimate in stereo sound. Only original MARANTZ parts can insure that your MARANTZ product will continue to perform to the specifications for which it is famous.

Parts for your MARANTZ stereo are generally available within 72 hours throughout the nation via a toll-free line to our National Parts Depot in California. The sales professionals who take your call immediately refer to their own desk top computer terminal and can quickly determine the availability and price information you require. If, for some reason, your order should exceed our available stock, we usually can instantly provide an alternate replacement part or current delivery information. When the order is placed and confirmed, the computer simultaneously generates "hard copy" orders at the distribution center. As hard copies come directly from the computer to the national parts depot, your requested stock is assembled and prepared for shipment and placed on the first available carrier for delivery to you.

ORDERING PARTS

Phone orders will eliminate mail delays, and we encourage the use of this method. If you order by mail, use MARANTZ parts order froms which are available from our National Parts Depot located at the following address:

SUPERSCOPE NATIONAL PARTS DEPARTMENT
20525 Nordhoff Street
Chatsworth, California 91311
Phone: 1-800-423-5108
1-213-998-9333

The following information must be supplied to eliminate delays in processing your order:

1. Complete address.
2. Complete part numbers.
3. Complete description of parts.
4. Model number for which part is required (indicate MARANTZ).
5. Account number (for account customers only).

Direct consumers will be provided with the current retail price quotation on available parts in order to advise them of the cost of the parts and shipping.

OVERSEAS PARTS ORDERING

Parts may also be ordered from the following overseas addresses:

U.S.A.

MARANTZ COMPANY, INC.
National Service Dept.
P.O. Box 577
Chatsworth, CA 91311
U.S.A.

CANADA

SUPERSCOPE CANADA, LTD.
3710 Nashua Drive
Mississauga
Ontario, Canada L4V1M5

AUSTRALIA

MARANTZ AUSTRALIA
32 Cross Street
Brookvale, NSW 2100
Australia

JAPAN

MARANTZ JAPAN, INC.
3622 Kamitsuruma
Sagamihara-shi
Kanagawa, Japan

EUROPE

MARANTZ S.A.
326 Avenue Louise Bte 32
1050 Brussels
Belgium

MARANTZ AUDIO U.K. LTD.
Unit 15/16
Saxon Way Industrial Estate
Motor Lane
Harmondsworth UB7 OLW
Great Britain

MARANTZ BELGIUM
45 Rue Auguste Van Zande
1080 Brussels
Belgium

MARANTZ SVENSKA A.B.
Svartviksvangen 56
Traneberg
Box 12016
161 12 BROMMA
SWEDEN

MARANTZ GERMANY GMBH
Max-Planckstrasse 22
6072 Dreieich 1
West Germany

MARANTZ FRANCE
4 Rue Bernard Palissy
92600 Asnieres
France

MARANTZ AUSTRALIA PTY., LTD.
32 Cross Street
Brookvale, N.S.W. 2100
Australia

MARANTZ NORSKE A.S.
Refstadalleen 13
Oslo 5
Norway

MARANTZ DENMARK
Bregnerødvej 132b
3460 BIRKERØD
DENMARK

MARANTZ GMBH AUSTRIA
Wiedner Hauptstrasse 98
1050 WIEN
AUSTRIA

All of the above locations are fully equipped to take care of your total service needs. Because various countries have differing configuration requirements, it is necessary that you contact the service facility in your particular country. In the event that there is no service location listed for your country, please contact the nearest facility for the necessary assistance.

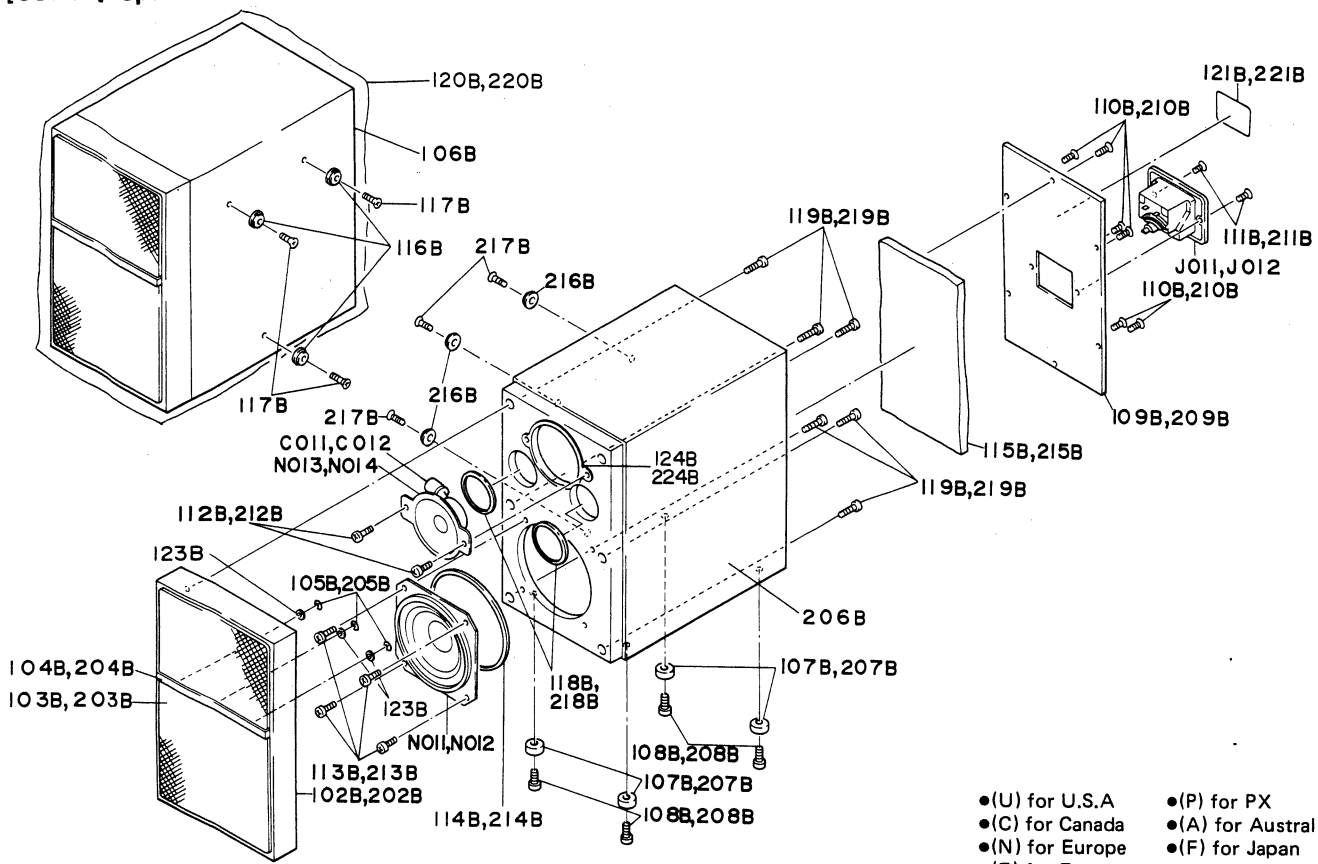
marantz®

- ●(U) for U.S.A
- ●(C) for Canada
- ●(N) for Europe
- ●(E) for Europe
- ●(P) for PX
- ●(A) for Australia
- ●(F) for Japan

REF. DESIG.	Q'TY U/C	N	E/P	A	F	PART NO.	DESCRIPTION
001T	1					236T851210	Instructions
001T		1	1	1		236T851310	Instructions
001T					1	236T851110	Instructions
002T				1		9631000090	Guarantee Card
002T					1	9631000130	Guarantee Card
003T	1					2225813010	Envelope
003T					1	2976851040	Flysheet
004T					1	2976813020	Envelope
005T					1	9650000030	Service Station Card
011T	1					2818854040	Guarantee Card for Canada
012T	1					9650000550	Service Station Card
001U	1					223T801030	Packing Case
001U		1	1	1		223T801020	Packing Case
001U					1	223T801010	Packing Case
001U		1				237T801010	Packing Case (PH-32L Only)
001U		1				235T801010	Packing Case (PH-52L Only)
002U	1	1	1	1	1	236T807010	Reinforcing
003U	1	1	1	1	1	236T809010	Cushion
004U	1	1	1	1	1	236T809020	Cushion
005U	4					9526019010	Serial No. Card
005U		4				9526019060	Serial No. Card
005U			4			9526019050	Serial No. Card
005U				4		9526019030	Serial No. Card
005U					4	9526019040	Serial No. Card
011U	1	1	1	1		223T861020	Label
011U					1	223T861010	Label

REF. DESIG.	Q'TY U/C	N	E/P	A	F	PART NO.	DESCRIPTION
001V	1	1	1	1	1	4136071010	Head Cleaner
002V	1	1	1	1	1	9011525010	Polyethylene Bag
001Z	2	2	2	2	2	236T104010	Retainer
002Z	2	2	2	2	2	5110310B9	B.H.M. Screw B3x10
004Z	1	1	1	1	1	236T053010	Cover
006Z	1	1	1	1	1	236T253010	Handle
ZA01	1					ZD00400060	Connective Cord
ZA01		1	1	1	1	ZD00400040	Connective Cord
ZA02	1					ZD00400060	Connective Cord
ZA02		1	1	1	1	ZD00400040	Connective Cord
ZA03	1					ZD00400060	Connective Cord
ZA03		1	1	1	1	ZD00400040	Connective Cord
ZA04	1					ZD00400050	Connective Cord
ZA04		1	1	1	1	ZD00400030	Connective Cord
ZA05	1					ZD00400050	Connective Cord
ZA05		1	1	1	1	ZD00400030	Connective Cord
ZA06	1					ZD00400050	Connective Cord
ZA06		1	1	1	1	ZD00400030	Connective Cord
ZA07	1	1	1	1	1	ZD02000190	Speaker Cord
ZA08	1	1	1	1	1	ZD02000190	Speaker Cord
ZY01	1					ZC02002050	Power Cord
ZY01		1	1			ZC01805010	Power Cord
ZY01				1		ZC02006020	Power Cord
ZY01					1	ZC02001050	Power Cord

[C01-99] Speaker Box

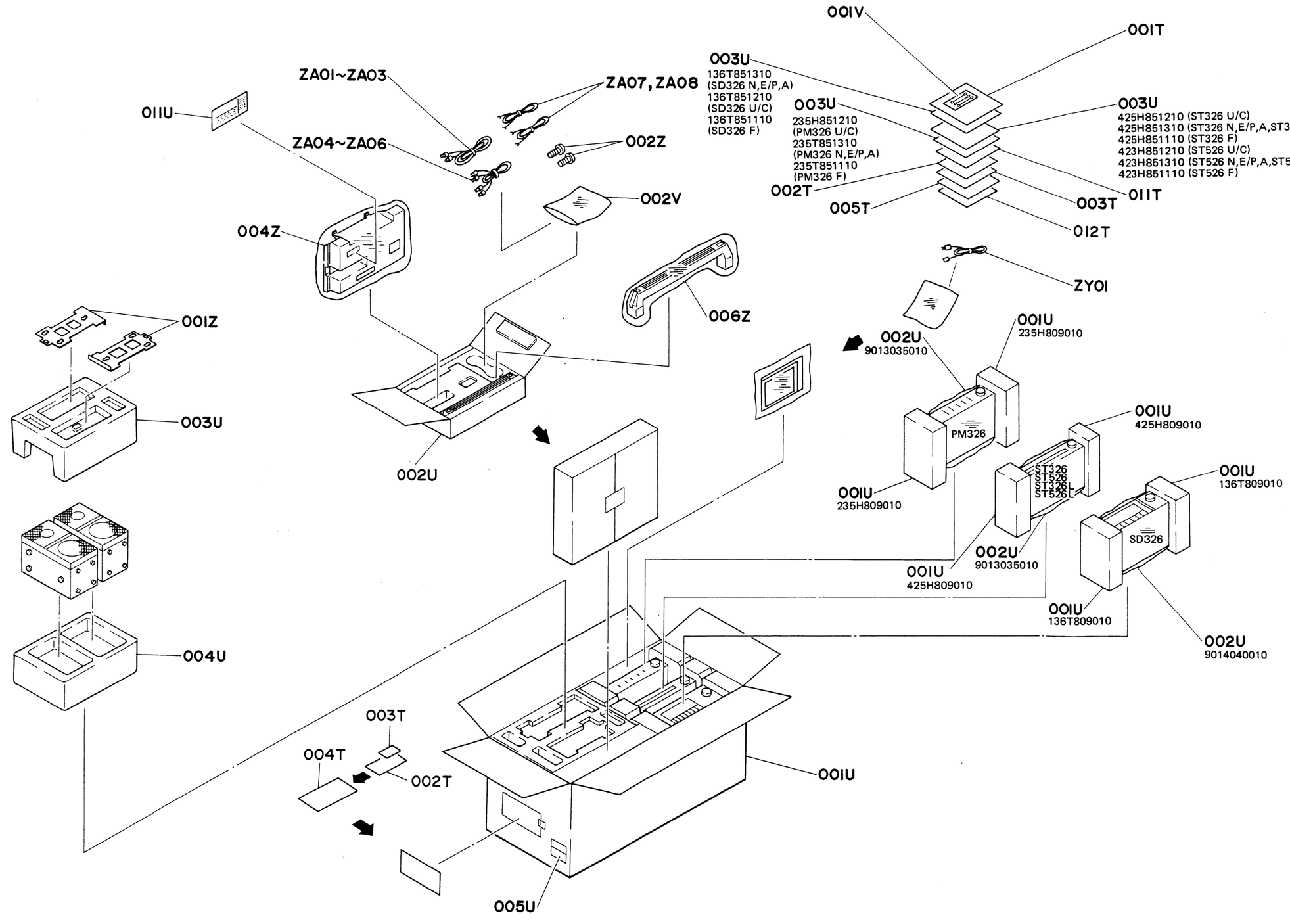


- (U) for U.S.A
- (C) for Canada
- (N) for Europe
- (E) for Europe
- (P) for PX
- (A) for Australia
- (F) for Japan

REF. DESIG'	Q'TY E/P	N	U/C	A	F	PART NO.	DESCRIPTION
102B	1	1	1	1		146Z063110	Front Panel
102B					1	146Z063010	Front Panel
103B	1	1	1	1		146Z202110	Front Net
103B					1	146Z202010	Front Net
104B	1	1	1	1	1	146Z251010	Badge
105B	3	3	3	3	3	64020200Q0	RG Ring
106B	1	1	1	1		146Z064310	Wood Case
106B					1	146Z064210	Wood Case
107B	4	4	4	4	4	136T057010	Leg
108B	4	4	4	4	4	51382612J0	P.H. Tapped Screw P2.6x12
109B	1	1	1	1		146Z257300	Lid
109B					1	146Z257200	Lid
110B	6	6	6	6	6	51420320J0	O.C.H. Tapped Screw
111B	2	2	2	2	2	51420320J0	O.C.H. Tapped Screw
112B	2	2	2	2	2	51400315A0	B.H. Tapped Screw B3x15
113B	4	4	4	4	4	51400415A0	B.H. Tapped Screw B4x15
114B	1	1	1	1	1	146Z277010	Packing
115B	1	1	1	1	1	146Z060010	Clinger
116B	3	3	3	3	3	146Z055010	Collar
117B	3	3	3	3	3	51340316J0	F.H. Tapped Screw F3x16
118B	2	2	2	2	2	146Z277020	Packing
119B	6	6	6	6	6	51280315B0	B.H. Tapped Screw B3x15
120B	1	1	1	1	1	9013540010	Polyethylene Bag
121B	1	1	1	1	1	146Z861010	Lavel
123B	3	3	3	3	3	146Z118010	Spacer
124B	1	1	1	1	1	146Z118020	Spacer
C011	1	1	1	1	1	EQ15505010	Elect 1.5μF 50V
J011	1	1	1	1	1	YT03020060	Terminal
N011	1	1	1	1	1	QK01001230	Speaker, Woofer
N013	1	1	1	1	1	QK00501120	Speaker, Tweeter

REF. DESIG.	Q'TY U/C	N	E/P	A	F	PART NO.	DESCRIPTION
202B	1	1	1	1		146Z063110	Front Net
202B					1	146Z063010	Front Net
203B	1	1	1	1		146Z202110	Front Net
203B					1	146Z202010	Front Net
204B	1	1	1	1	1	146Z251010	Badge
205B	3	3	3	3	3	64020200Q0	RG Ring
206B	1	1	1	1		146Z064320	Wood Case
206B					1	146Z064220	Wood Case
207B	4	4	4	4	4	136T057010	Leg
208B	4	4	4	4	4	51382612J0	P.H. Tapped Screw P2.6x12
209B	1	1	1	1		146Z257300	Lid
209B					1	146Z257200	Lid
210B	6	6	6	6	6	51420320J0	O.C.H. Tapped Screw
211B	2	2	2	2	2	51420320J0	O.C.H. Tapped Screw
212B	2	2	2	2	2	51400315A0	B.H. Tapped Screw B3x15
213B	4	4	4	4	4	51400415A0	B.H. Tapped Screw B4x15
214B	1	1	1	1	1	146Z277010	Packing
215B	1	1	1	1	1	146Z060010	Clinger
216B	3	3	3	3	3	146Z055010	Collar
217B	3	3	3	3	3	51340316J0	F.H. Tapped Screw F3x16
218B	2	2	2	2	2	146Z277020	Packing
219B	6	6	6	6	6	51280315B0	B.H. Tapped Screw B3x15
220B	1	1	1	1	1	9013540010	Polyethylene Bag
221B	1	1	1	1	1	146Z861010	Label
223B	3	3	3	3	3	146Z118010	Spacer
224B	1	1	1	1	1	146Z118020	Spacer
C012	1	1	1	1	1	EQ15505010	Elect 1.5μF 50V
J012	1	1	1	1	1	YT03020060	Terminal
N012	1	1	1	1	1	QK01001230	Speaker, Woofer
N014	1	1	1	1	1	QK00501120	Speaker, Tweeter

[H01-99] Packing material

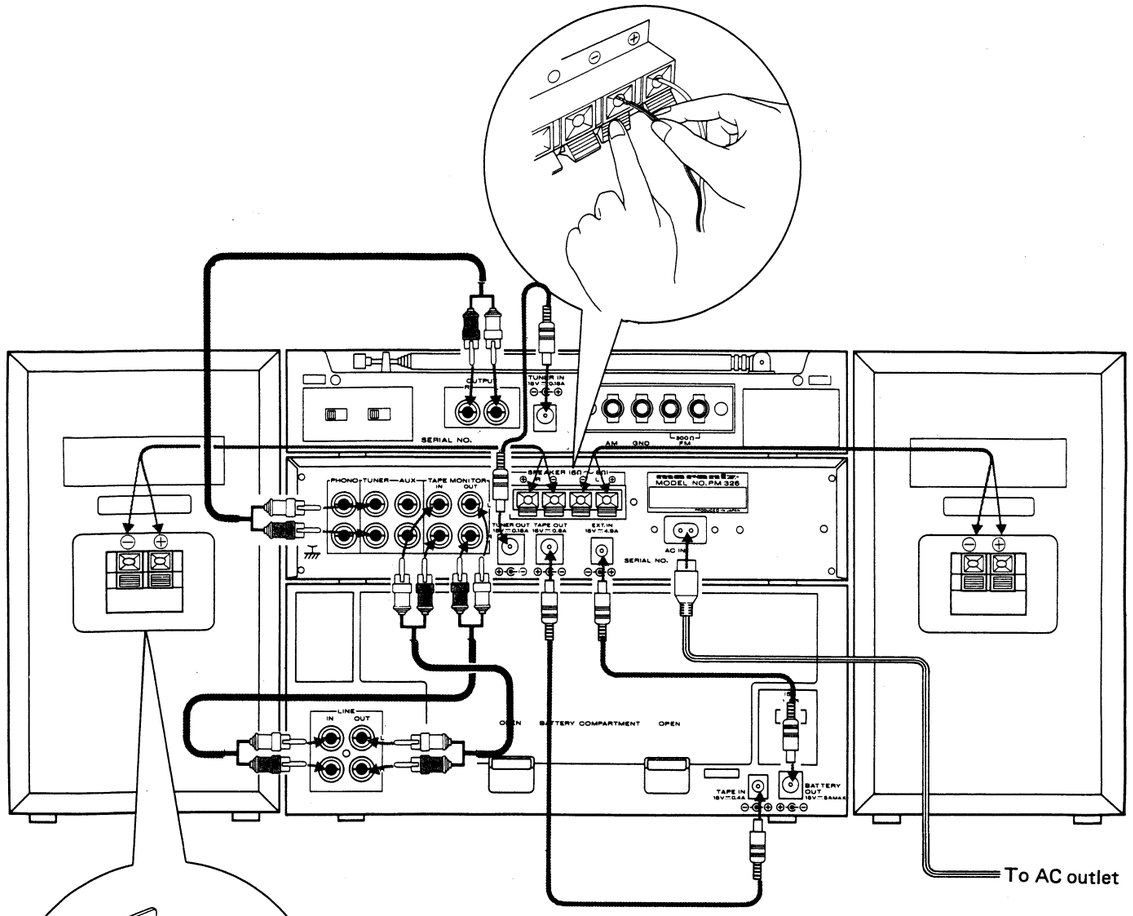


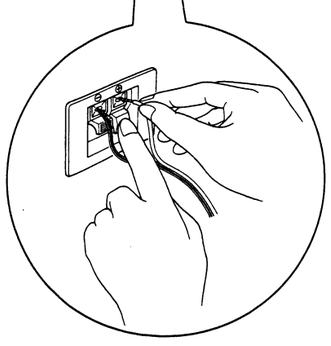
• Connection

Make sure that the power is off until all the connections are finished.

• Connecting the speaker cords

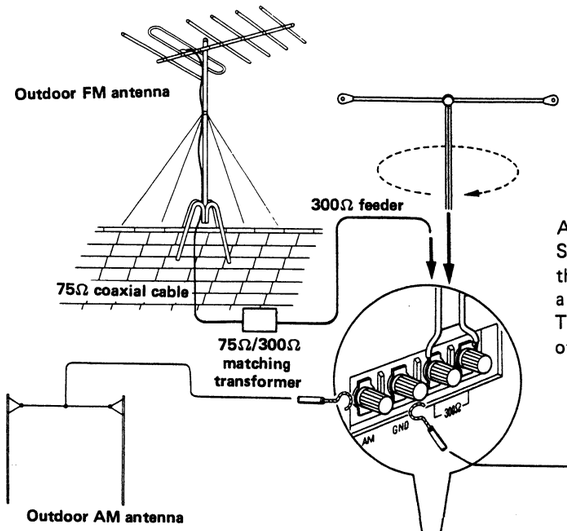
Connect the speaker cords correctly, (L) to (L) and (R) to (R), ⊕ to ⊕ and ⊖ to ⊖.
Wrong connection of ⊕ and ⊖ will give inferior stereo presence and poor sound quality.



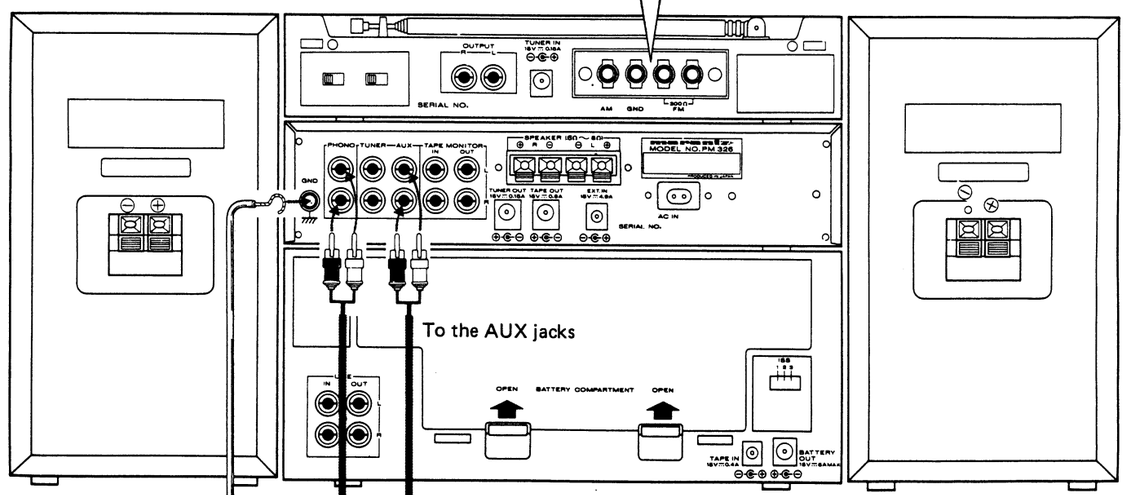


Be sure that the batteries are always removed from this unit when it is not used for a long time or it is operated using AC. Otherwise the unit may fail due to electrolyte leakage from the batteries.
When the AC power cord is connected to this unit, the POWER SELECTOR is automatically set to the AC voltage.

NOTE:
The (–) speaker terminals of the amplifier are connected to two different circuits. Never shot-circuit the (–) speaker terminals and never connect anything other than speakers. Doing so will result in serious damage to the amplifier.

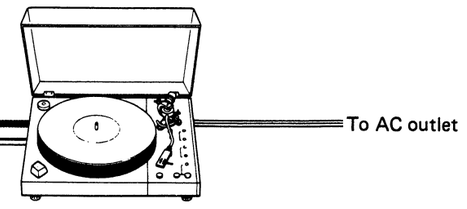


A T-shaped FM indoor antenna is supplied. Spread the two arms that form the top of the "T" horizontally and hold them against a convenient wall.
Try several locations for best reception of your favorite stations.



Connect to the LINE OUT of the other audio unit.

Used when the turntable has a groun lead.



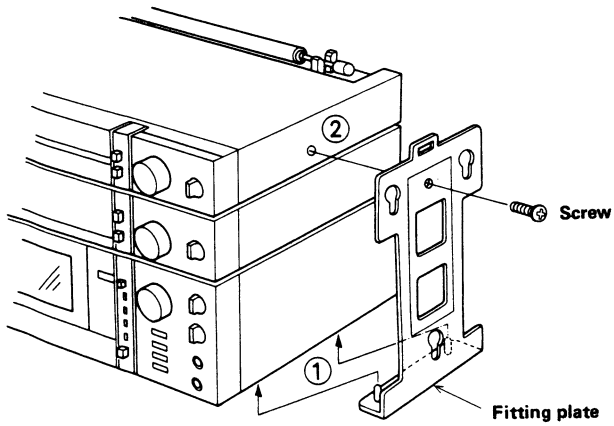
To AC outlet

Turntable (With MM cartridge)

ASSEMBLING THE PORTABLE STEREO COMPONENTS

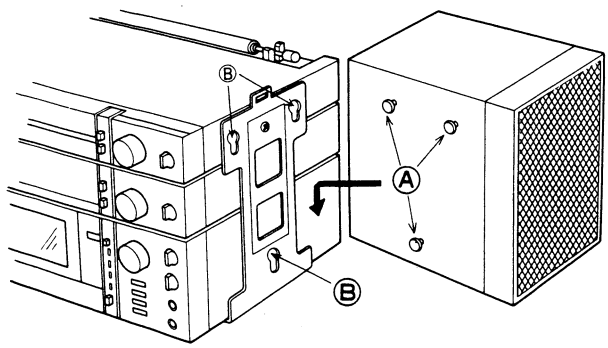
• Installing the fitting plate to the set unit

1. Lift up the unit slightly to insert the convex portions of the fitting plate into the holes in the bottom of the unit.
2. Fix the left and right screws.



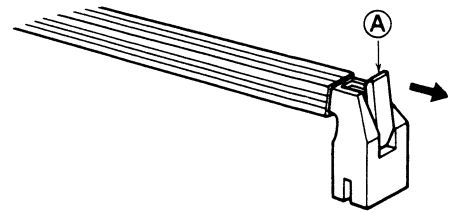
• Installing the speakers

1. Fit Ⓐ of the speakers to Ⓑ of the fitting plates then push the speakers down so there is no clearance.
2. Do the same on the opposite side.

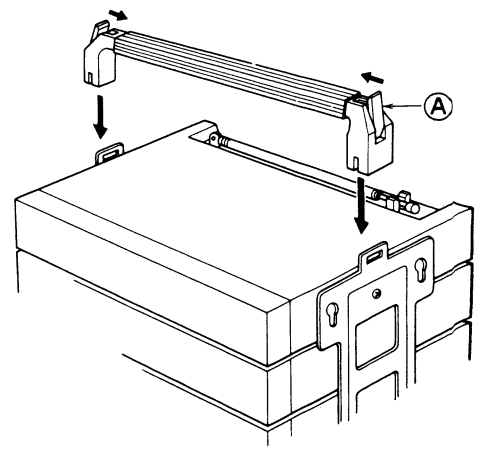


• Fixing the handles

1. Unfold Ⓐ of the handle in the direction of the arrow.



2. Assembling the edges of the handles in the grooves in the fitting plates.
3. Fold Ⓐ of the handle of fix it. Do the same on the opposite side.



• Assembling the rear cover

Insert the rear cover along the two grooves in the cassette deck then press it in the direction of the arrow along the two grooves in the tuner.